

| | SAM claimed kWh | My excel calc | Losses (%) | |
|-------------------|-----------------|-------------------|------------|----------------------|
| nominal POA | | | 3.241 | |
| | | | 5 | |
| nominal DC energy | 4394 | 4394 | 3.008 | |
| | | | 1.387 | |
| | | | 0 | |
| | | | 0 | |
| | | | 0.498 | |
| | | | 0.498 | |
| | | | 0 | |
| | | | 0 | Total losses: |
| | | | 0 | 5.391 |
| net DC energy | 3526 | 4157.11946 | 0.037 | |
| | | | 0.751 | |
| | | | 0.091 | Total losses: |
| | | | 3.165 | 4.044 |
| Gross AC energy | 3384 | 3383.40856 | 1 | |
| | | | 0 | Total losses: |
| | | | 0 | 1 |
| Annual energy | 3350 | 3350.16 | | |

**Total losses sum for
all categories: 18.7%**

**Difference between
annual energy and
nominal dc energy** 1044 kWh

**Total losses by
looking at annual
energy vs nominal
dc energy** **23.8%**